

AMENDMENTS TO THE SPECIFICATION:

Replace the paragraph beginning on page 13, line 8, with the following amended paragraph:

Data element 74 in ~~physical~~ virtual memory 70 includes three pages 82, which are identified with virtual addresses 76. These pages 82 have virtual addresses which follow each other logically. Reference number 84 designates three physical pages in physical memory 72. Arrows 86 illustrate the assignment of virtual memory 70 to physical memory 72. It can be seen that physical pages 84 which correspond to virtual pages 82 are widely scattered in the main memory. Virtual addresses 76 are mapped to the physically available memory 72 by the MMU.

Replace the paragraph beginning on page 14, line 7, with the following amended paragraph:

Figure 5 illustrates the interaction between ~~and an~~ an electronic arithmetic-logic unit 121 and an expansion card 122 which are connected via a PCI bus 124. Electronic arithmetic-logic unit 121 contains a main memory 120.